



Fan 1450P C 200-240V 50Hz
Fan 1450P M 200-240V 50Hz

34300134
34325110

Images



34300134



34325110

Technical data

Voltage:	200 – 240	[V ac] +/-10%
Phase:	1	
Frequency:	50	[Hz]
Max. current:	3,39	[A]
Current (at 50 Pa and 240V):	2,99	[A]
Input power (at 50 Pa and 240V):	720	[W]
Shaft power (at 50 Pa and 240V):	490	[W]
Max. input power:	743	[W]
Max. air volume:	9720	[m ³ /h]
Max. pressure:	128	[pa]
Max. rotations:	1390	[RPM]
Capacitor:	16	[μF]
Poles:	4	
Cos phi:	0,99	
Controllable:	T,E	Trafo, Electronic
Insulation class:	F	
Protection class:	IP 66	
Sound production (calculated):	69 (58)	[dB(A)]
Impeller:	496 / 8 / 45 / 14	D / n / ° / shaft diameter
Weight 34300134 (excl. pack.):	20 / 44,1	[Kg] / [lbs]
Weight 34325110 (excl. pack.):	18 / 39,7	[Kg] / [lbs]

- Air density 1,2 kg/m³, 1 Pa (Pascal) = 1N/m² ~ 0,102 mm wk. (20°C).
- Sound production is calculated at 0 Pa and at a distance of 2 meter (the value between brackets is calculated at a distance of 7 meter).
- Measurement without protection grid.
- Measurement performed with electronic control.
- According to AMCA 210 / ISO 5801.
- Images may differ slightly from reality.

**Conformity****CE ErP 2015****Data according to ErP directive**

Overall efficiency:	34,0 [%]
Measurement category:	C
Efficiency category:	Static
Efficiency grade (N) at optimum energy efficiency	41,3
Variable speed drive VSD:	No
Year of manufacture:	See typelabel
Commercial registration number:	Fancom B.V. 12015669 Panningen (NL)
Model number:	1450P 50Hz
Input power at optimum energy efficiency point:	719 [W]
Air volume at optimum energy efficiency point:	7040 [m ³ /h]
Pressure at optimum energy efficiency point:	126 [pa]
Rotations at optimum energy efficiency point:	1363 [RPM]
Compressibility factor:	0,9935
Information on dismantling, recycling and disposal:	Observe the manual of this product
Information about environment and optimal live:	Observe the manual of this product
Description of additional items used when determining the fan energy efficiency:	No special items have been used

Ambient climate

Operating temperature range:	0°C to +40°C (32°F to +104°F)
Storage temperature range:	-10°C to +50°C (14°F to +122°F)
Relative humidity:	<95%, uncondensed

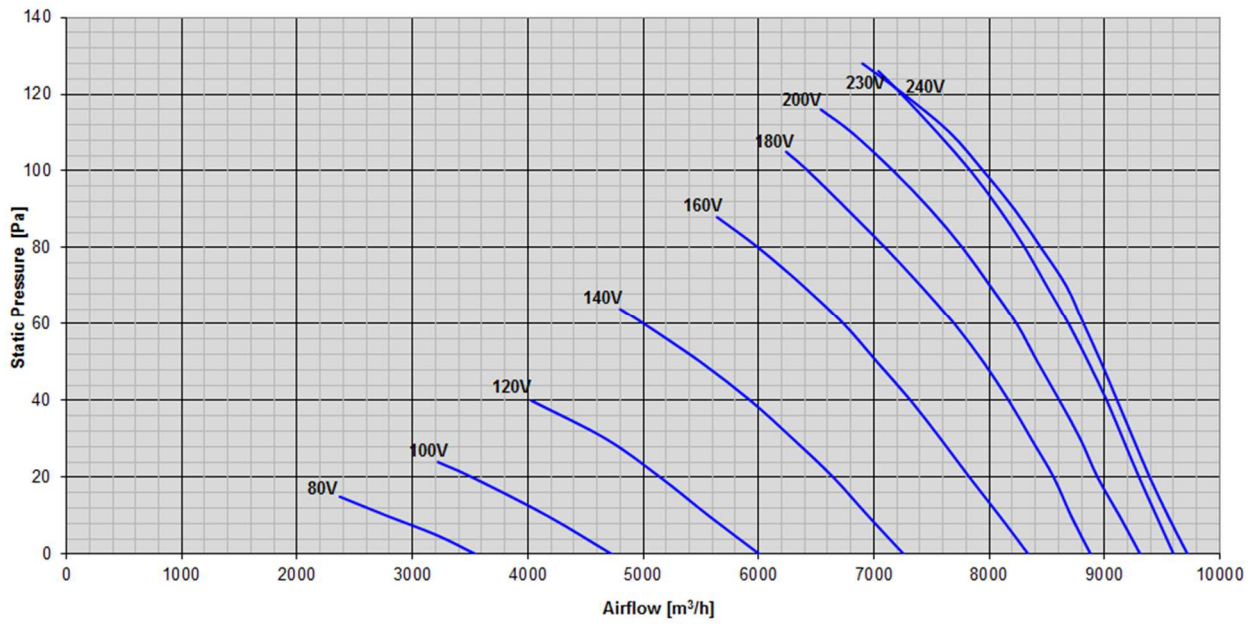


Specifications Fan 1450P 50Hz

Spanning Voltage	Druk Pressure	Debiet Airflow		Toerental Rotations	Vermogen Power	Stroom Current	Luchtsnel. Airspeed	Tot. Rendement Tot. Efficiency	Spec. Verm. Spec. Power	
U	p	----- V -----		RPM	P	I	v	η_{tot}	P_{spec}	
[V]	[Pa]	[m³/h]	[m³/s]	[1/min]	[W]	[A]	[m/s]	[% at 20°C]	[W/1000m³/h]	
240	0	9720	2.70	1390	678	2.84	13.8	45.2	69.8	
	10	9550	2.65	1389	688	2.87	13.5	46.1	72.0	
	20	9392	2.61	1387	697	2.91	13.3	47.1	74.2	
	30	9250	2.57	1385	706	2.94	13.1	48.3	76.3	
	40	9110	2.53	1383	713	2.97	12.9	49.6	78.3	
	50	8970	2.49	1381	720	2.99	12.7	50.7	80.3	
	60	8820	2.45	1379	725	3.02	12.5	51.8	82.2	
	70	8670	2.41	1378	730	3.04	12.3	52.9	84.2	
	80	8450	2.35	1376	734	3.06	12.0	53.0	86.9	
	90	8220	2.28	1374	737	3.07	11.6	53.0	89.7	
	100	7950	2.21	1374	740	3.08	11.2	52.5	93.1	
	110	7660	2.13	1374	742	3.09	10.8	51.7	96.9	
	120	7260	2.02	1375	743	3.09	10.3	49.7	102.3	
128	6900	1.92	1376	743	3.09	9.8	47.8	107.7		
230	0	9600	2.67	1383	657	2.85	13.6	44.9	68.4	
	10	9450	2.63	1380	667	2.89	13.4	46.1	70.6	
	20	9300	2.58	1378	676	2.93	13.2	47.3	72.7	
	30	9160	2.54	1375	684	2.96	13.0	48.6	74.7	
	40	9020	2.51	1372	691	2.99	12.8	49.9	76.6	
	50	8860	2.46	1370	697	3.02	12.5	50.9	78.7	
	60	8690	2.41	1368	702	3.04	12.3	51.8	80.8	
	70	8500	2.36	1366	706	3.06	12.0	52.4	83.1	
	80	8310	2.31	1364	710	3.08	11.8	53.0	85.4	
	90	8090	2.25	1363	713	3.09	11.4	53.1	88.1	
	100	7840	2.18	1362	716	3.10	11.1	52.9	91.3	
	110	7550	2.10	1362	717	3.11	10.7	52.2	95.0	
	120	7240	2.01	1362	718	3.11	10.2	51.2	99.2	
126	7040	1.96	1363	719	3.11	10.0	50.5	102.1		
200	0	9310	2.59	1337	599	2.99	13.2	44.9	64.3	
	10	9130	2.54	1332	608	3.03	12.9	45.9	66.6	
	20	8940	2.48	1326	617	3.07	12.6	46.7	69.0	
	30	8790	2.44	1322	624	3.11	12.4	48.0	71.0	
	40	8610	2.39	1318	630	3.14	12.2	49.0	73.2	
	50	8420	2.34	1314	636	3.17	11.9	49.7	75.5	
	60	8240	2.29	1311	640	3.19	11.7	50.6	77.7	
	70	8010	2.23	1308	644	3.21	11.3	50.8	80.4	
	80	7770	2.16	1306	647	3.22	11.0	50.9	83.3	
	90	7490	2.08	1304	648	3.23	10.6	50.5	86.5	
	100	7170	1.99	1304	649	3.24	10.1	49.6	90.5	
	110	6810	1.89	1304	649	3.24	9.6	48.3	95.3	
	116	6540	1.82	1304	648	3.24	9.3	46.9	99.1	
180	0	8880	2.47	1286	558	3.10	12.6	41.9	62.8	
	10	8710	2.42	1283	564	3.13	12.3	43.4	64.8	
	20	8560	2.38	1273	569	3.16	12.1	45.1	66.5	
	30	8365	2.32	1260	576	3.20	11.8	46.0	68.9	
	40	8170	2.27	1250	582	3.24	11.6	46.9	71.2	
	50	7950	2.21	1244	587	3.27	11.2	47.4	73.8	
	60	7700	2.14	1239	591	3.30	10.9	47.5	76.8	
	70	7410	2.06	1235	594	3.32	10.5	47.1	80.2	
	80	7100	1.97	1233	596	3.33	10.0	46.5	83.9	
	90	6770	1.88	1232	598	3.34	9.6	45.6	88.3	
	100	6430	1.79	1232	598	3.35	9.1	44.7	93.0	
	105	6240	1.73	1233	598	3.36	8.8	44.0	95.8	
	160	0	8340	2.32	1185	497	3.15	11.8	38.9	59.6
10		8090	2.25	1171	503	3.20	11.4	39.6	62.2	
20		7830	2.18	1159	509	3.24	11.1	40.0	65.0	
30		7580	2.11	1147	515	3.28	10.7	40.5	67.9	
40		7320	2.03	1137	519	3.31	10.4	40.9	70.9	
50		7030	1.95	1129	522	3.34	9.9	40.9	74.3	
60		6740	1.87	1124	524	3.36	9.5	40.9	77.7	
70		6390	1.78	1122	526	3.37	9.0	40.2	82.3	
80		6000	1.67	1123	527	3.38	8.5	39.0	87.8	
88		5640	1.57	1126	528	3.39	8.0	37.4	93.6	
140		0	7260	2.02	1029	422	3.14	10.3	30.2	58.1
		10	6950	1.93	1010	427	3.18	9.8	30.7	61.4
		20	6650	1.85	994	431	3.21	9.4	31.3	64.8
	30	6300	1.75	979	434	3.24	8.9	31.3	68.9	
	40	5930	1.65	965	436	3.27	8.4	31.1	73.5	
	50	5500	1.53	964	438	3.29	7.8	30.1	79.6	
	60	5010	1.39	963	439	3.31	7.1	28.6	87.6	
	64	4800	1.33	963	440	3.31	6.8	27.8	91.7	
120	0	6010	1.67	844	333	2.95	8.5	21.7	55.4	
	10	5570	1.55	815	334	2.98	7.9	21.9	60.0	
	20	5150	1.43	795	335	3.00	7.3	22.1	65.0	
	30	4680	1.30	783	337	3.02	6.6	21.7	72.0	
	40	4030	1.12	781	338	3.03	5.7	19.7	83.9	
100	0	4730	1.31	658	239	2.60	6.7	14.8	50.5	
	10	4170	1.16	624	239	2.61	5.9	15.0	57.3	
	20	3520	0.98	611	240	2.62	5.0	14.2	68.2	
	24	3220	0.89	609	240	2.63	4.6	13.6	74.5	
80	0	3550	0.99	488	152	2.13	5.0	9.8	42.8	
	5	3210	0.89	471	156	2.16	4.5	9.9	48.6	
	10	2780	0.77	452	155	2.16	3.9	9.6	55.8	
	15	2370	0.66	479	159	2.18	3.4	9.0	67.1	



Fan characteristic



Specific power

